

Estimating Fraction

Name: _____ Period: _____ Date: _____

Convert the following fractions into decimals, and then into percentages.

	Fraction	Decimal	Percentage
1)	$\frac{5}{11}$		
2)	$\frac{17}{25}$		
3)	$\frac{11}{36}$		
4)	$\frac{14}{51}$		

Convert the following fractions into decimals, and then into percentages.

	Fraction	Decimal	Percentage
5)	$\frac{78}{52}$		
6)	$\frac{150}{100}$		
7)	$\frac{2}{76}$		
8)	$\frac{4}{1}$		

How are the fractions, decimals, and percentages in the second group of fractions different from the first four fractions?

What questions did you run into?

Do not use a calculator for this section of the assignment.

Match the given percentages with the equivalent fraction

50%

$$\frac{15}{45}$$

25%

$$\frac{13}{65}$$

10%

$$\frac{9}{90}$$

100%

$$\frac{0}{76}$$

0%

$$\frac{12}{240}$$

33%

$$\frac{34}{68}$$

20%

$$\frac{54}{60}$$

5%

$$\frac{218.88}{304}$$

90%

$$\frac{30}{120}$$

72%

$$\frac{173}{173}$$

Explain how you found the match for 50%: without a calculator

Explain how you found the match for 25% without a calculator

Explain how you found the match for 5% without a calculator

Do not use a calculator for this section of the assignment.

Match the given decimals with the equivalent fraction

.5	$\frac{1}{1}$
.25	$\frac{27}{81}$
.1	$\frac{144}{200}$
1	$\frac{13}{26}$
0	$\frac{15}{45}$
.33	$\frac{9}{45}$
.2	$\frac{3}{60}$
.05	$\frac{27}{30}$
.9	$\frac{0}{45}$
.72	$\frac{6}{60}$

Explain how this section was similar to the previous section.

Explain how you found the match for .5 without a calculator.

Given the following fractions estimate the percentage and the decimal value of the fraction without a calculator. Then go and find the actual percentage and the actual decimal value.

	<u>Fraction</u>	<u>Estimated Percentage</u>	<u>Estimated Decimal</u>	<u>Actual Percentage</u>	<u>Actual Decimal</u>
1)	$\frac{15}{73}$				
2)	$\frac{15}{90}$				
3)	$\frac{20}{45}$				
4)	$\frac{84}{99}$				
5)	$\frac{79}{110}$				
6)	$\frac{13}{16}$				

How close was your closets estimation?

How far was your furthest estimation?

What have you learned throughout this assignment?